

EDUCATION

Georgia Institute of Technology
BITS Pilani (India)

M.S. Computer Science
B.E. Computer Science

CGPA: 4.0/4.0
CGPA: 8.76/10

Graduation: May 2017
Graduation: May 2014

PROFESSIONAL EXPERIENCE

Oracle, Redwood Shores

July 2017 - Present

Fulltime, Applications Developer | *Java, JavaScript, GraphQL, MongoDB, Logstash*

Working for the Fusion Financial group on initiatives to build a robust analytics platform and integrate modern technologies

PayPal, San Jose

May 2016 - Aug 2016

Intern, Business Development | *Python, Flask, JavaScript, d3, Teradata*

Developed a tool to proactively monitor and analyze trends of different integrations to strengthen the relationship with the partners and improve the overall efficiency of the team and operational performance

Georgia Tech Visualization Lab, Atlanta

Aug 2015 - May 2017

Graduate Research Assistant | *Python, JavaScript, d3, AngularJs, MongoDB, AWS*

Created web based visual analytics tools for analysis and sensemaking on text document collections (Jigsaw, ListView), managed the lab web server and application deployment, prototyped visualization designs and mentored undergraduate student projects

Walmart Global Technology Services, Bangalore

Jul 2014 - Jul 2015

Fulltime, Software Engineer | *Java, JavaScript, JQuery, AngularJs, Oracle*

- Frontend development: Implemented integral features for the redesign and improvement of the UI of samsclub.com
- Other Projects: Data analysis, visualization, prototyping and site enhancement to improve customer experience

Innovation Labs - [24]7-Inc, Bangalore

Jan 2014 - Jun 2014

Intern, Software Developer | *Grails, GSP, HTML, CSS, JavaScript, MongoDB*

Worked independently on multiple web applications to improve internal communication. Received recognition for Project Delivery.

PROJECTS, ACADEMICS AND RESEARCH

Teaching Assistant - Prototyping Interactive Systems

Aug 2016 – Dec 2016

Assisting the faculty with the course, lectures and assignment planning, grading and conducting office hours to help the students

Emory Research Project – Clinical discharge Support System

Jan 2016 – May 2016

Collaborated with Professors from GSU and Doctors from Emory University to create a Clinical Discharge Decision support system that can potentially increase a physician's effectiveness in identifying the optimal time to discharge a patient and reduce costs

Academic Project – Social Movements Trends study

Jan 2016 – May 2016

Analyzed social movements using their timeline, web searches, media coverage to understand their spread, trends and relations

Academic Project – Stack Overflow Visualization

Sep 2015 – Dec 2015

Developed a visualization tool to support the exploration of programming languages, tools and concepts.

Google Summer of Code– OpenSource Bioinformatics Software

May 2014 – Aug 2015

Developed the Cytoscape plugin, Pesca and enhanced CentiScape in collaboration with the National Resource for Network Biology

HACKATHONS

TechCrunch Disrupt SF - AI powered Bot for recommending restaurants in a group chat (3rd Place)

Sep 2017

NDC Hackathon - Efficient Multicity Trip Planner for booking airlines (1st Place)

Aug 2017

Opportunity Hackathon - Collaborative mapping tool to allow coordination among NPOs (3rd Place)

July 2016

TECHNICAL SKILLS

Programming: Java, Python, C

Web Technologies: JavaScript, JQuery, D3.js, AngularJs, Bootstrap, Flask, HTML5, CSS, AWS. *Familiar:* Node, React, Knockout, J2EE

Tools: Adobe Photoshop, After Effects, Maya, 3ds Max, CorelDRAW, MATLAB

Database: MySQL, Oracle, MongoDB

PUBLICATIONS

Poster: S. Pratap, A. Endert. "PredVis - Interaction Techniques for Time Series Prediction". IEEE VIS '17, Section: VAST

Poster: S. Pratap, D. Chand, "Viseract: Computer Vision based Gesture Control for InfoVis". IEEE VIS '17, Section: InfoVis

Article: "Finding the shortest path with PesCa: a tool for network reconstruction", F1000Research, 2015,4:484

Journal: "Ontological Tree Generation for Enhanced Information Retrieval", IJAIA, Vol. 4, July 2013, PP. 41-51, ISSN: 0975-900X